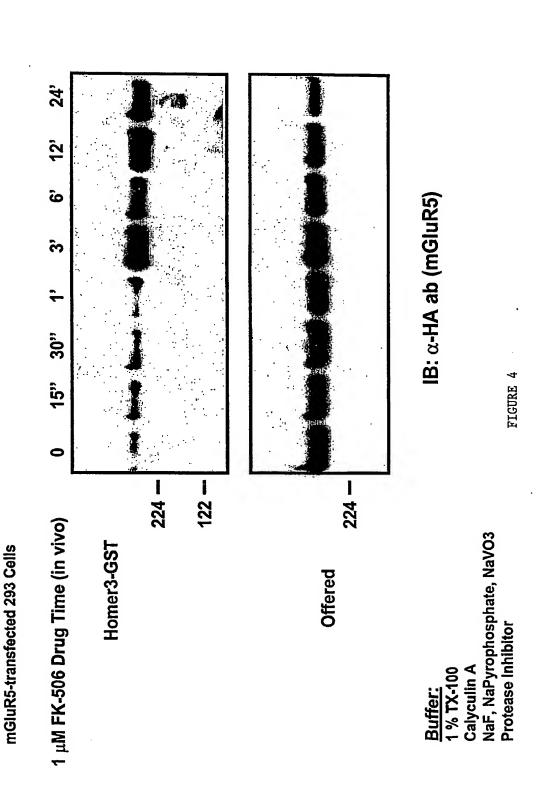


Structure of Immunophilin Ligands

GPI-1046 . FK506 Cyclosporin A **о́ме и́е и́е** Rapamycin

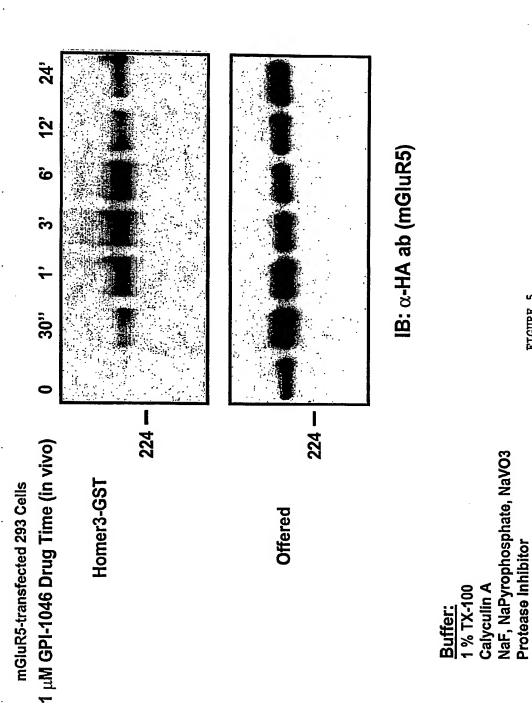
Effect of FK-506 on mGluR5 Binding to Homer



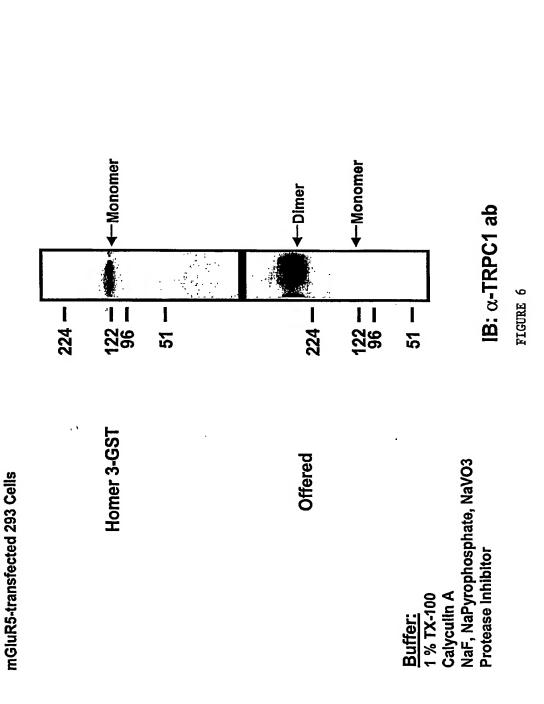


Effect of GPI-1046 on mGluR5 Binding to Homer



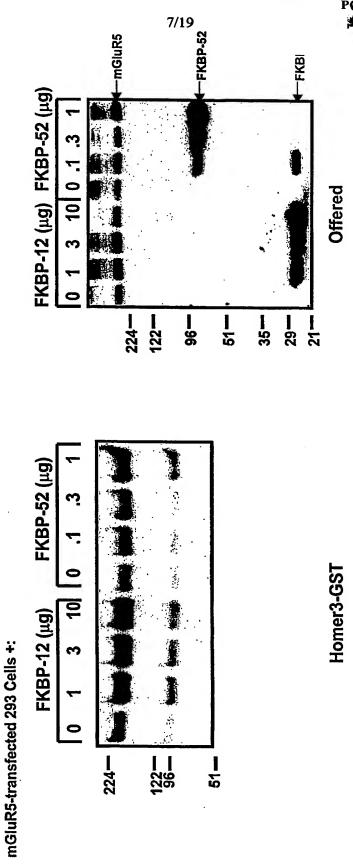


FKBP52-GST Pulls Down mGluR5



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Increasing FKBP-12/-52 Increases Homer Binding to mGluR5



IB: α-HA ab

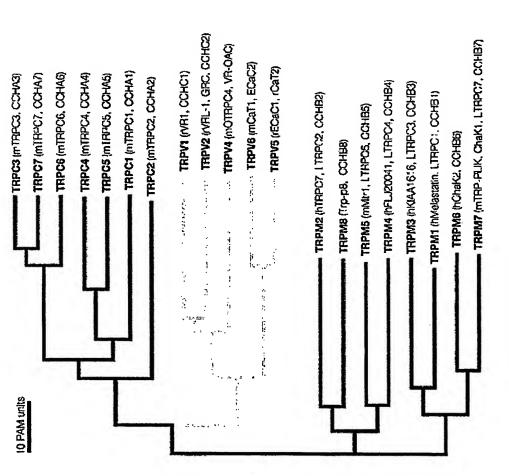
NaF, NaPyrophosphate, NaVO3

1 % TX-100 Calyculin A

Buffer:

Protease Inhibitor

Phylogenetic Relationship in the TRP Protein Family

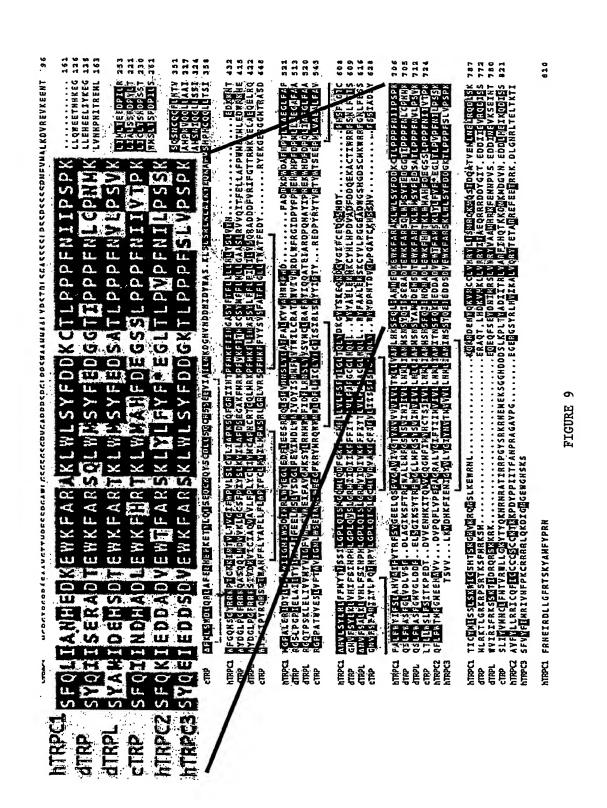


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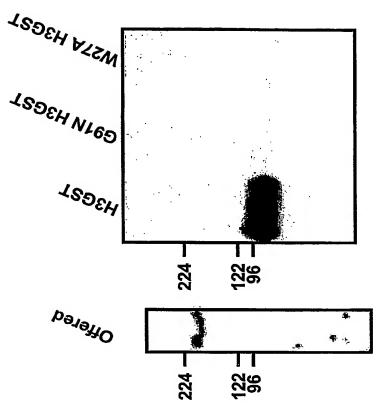
10/518941

Amino Acid Sequence of TRPC1 and Alignment to Other TRPs



Homer 3-GST Pulls Down TRPC1 from Cerebellum

Solubilized in 1 % TX-100 37,000 x g Spin



IB: α-TRPC1 ab

Calyculin A **Buffer:**

NaF, NaPyrophosphate, NaVO3 Protease Inhibitor

10/518941 11/19 IP: α-Homer 1 ab IP: α-Homer 3 ab **Brain Co-IP of Homer and TRPC1** £4 IdlH H3PI IB: α-TRPC1 ab 122 — 96 — 224 -224 — 122 96 FIGURE 11 **—** 96 122 96 122 — 224 — 224 -1 % CHAPS Calyculin A NaF, NaPyrophosphate, NaVO3 NaF, NaPyrophosphate, NaVO3 Hippocampus Protease Inhibitor Protease Inhibitor Cerebellum Calyculin A 1 % TX-100 **Buffer: Buffer:**

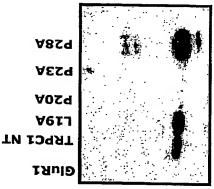
Deletion of TRPC1 C-Terminus Reveals A

12/19

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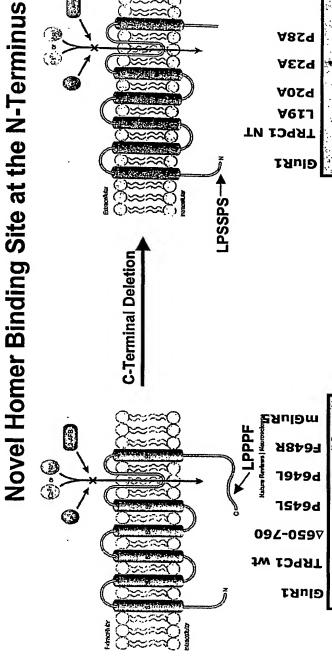
Offered

Homer3-GS



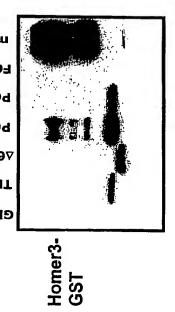


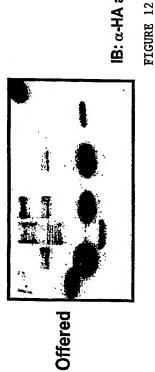
IB: α-HA ab (TRPC1)

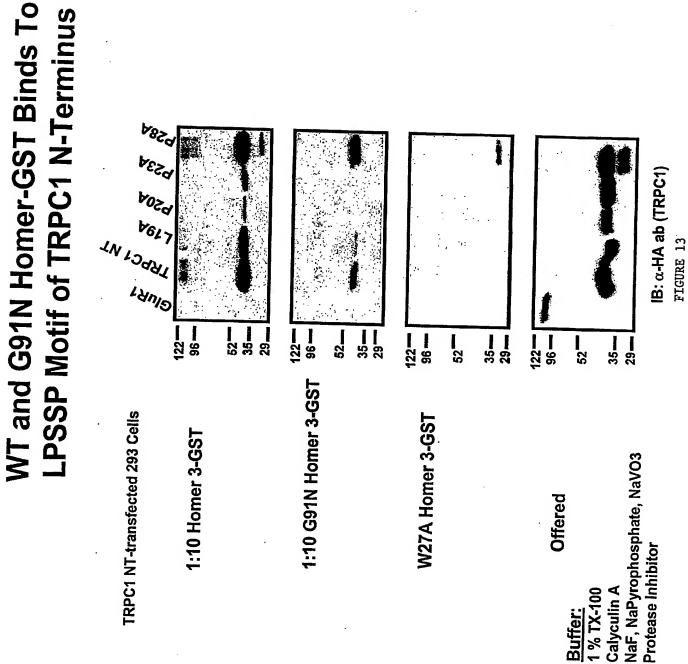


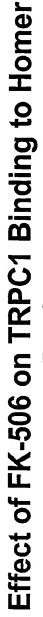
C-Terminal Deletion

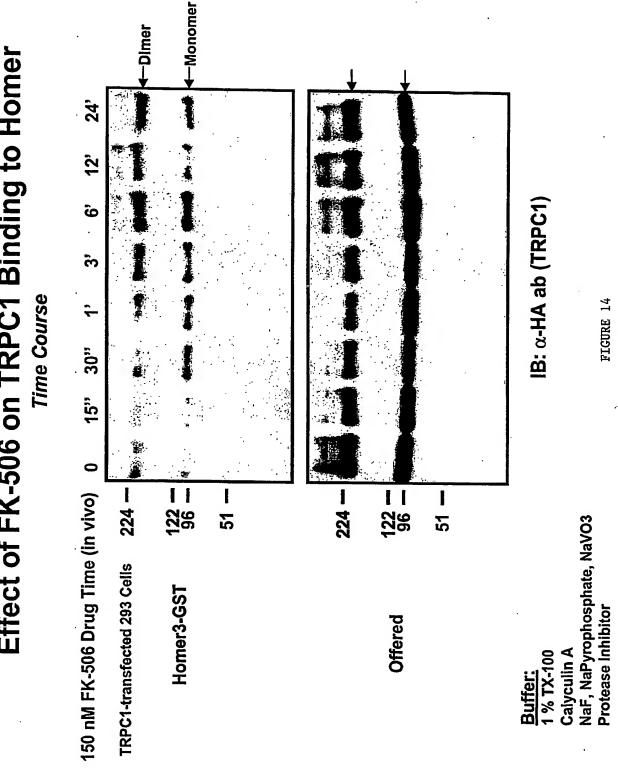
-SdSSdT



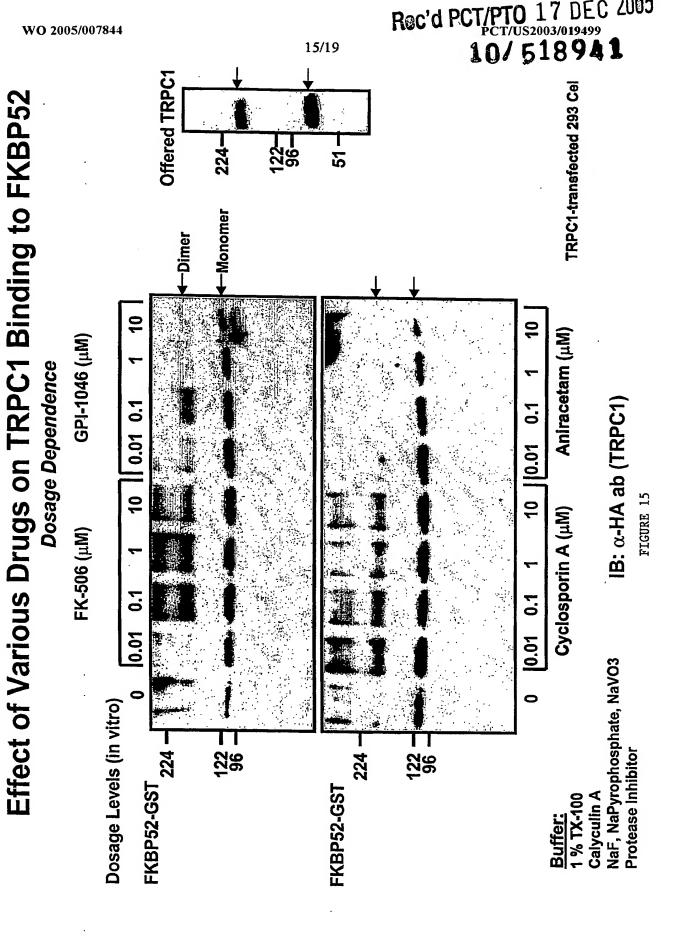








DEC 2005



IB: α-HA 3b (TRPC1)

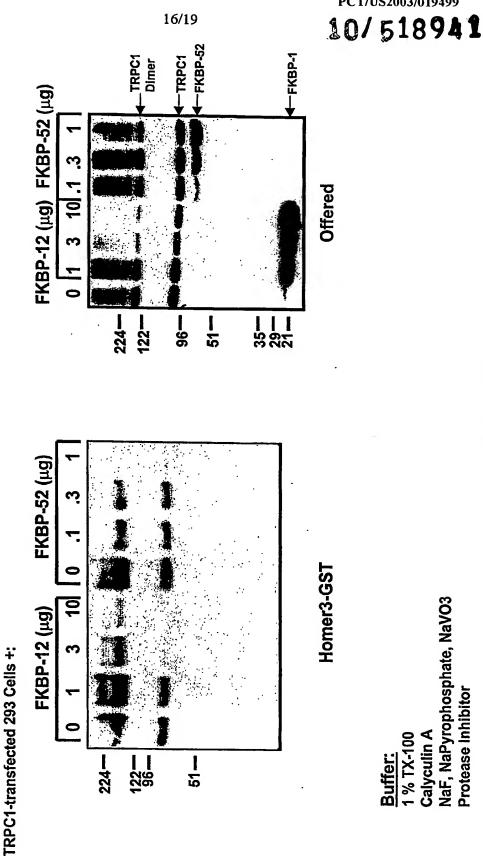
NaF, NaPyrophosphate, NaVO3

Calyculin A 1 % TX-100

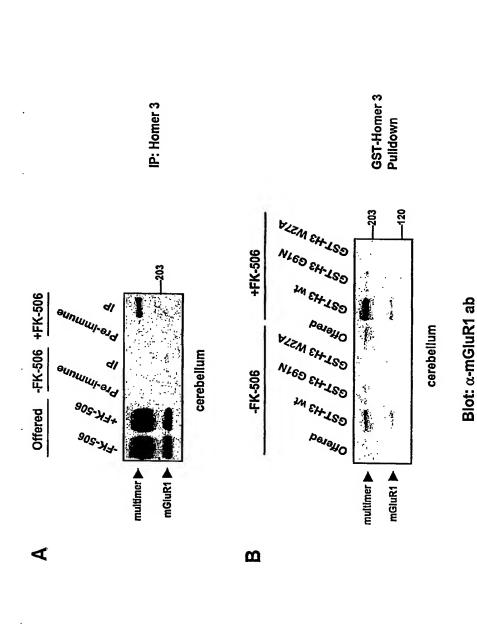
Protease Inhibitor

FIGURE 16

Effect of FKBP-12/FKBP-52 on TRPC1 Binding to Homer



Effect of FK-506 on Homer-mGluR1 interaction in vivo



Adult rat was injected (i.p.) with 10 mg/kg FK-508 or vehicle only (DMSO). After 3 hours, the rats were sacrificed, and the carebellum was collected. (A) Homer 3 columnunoprecipitation of mGluR1 multimer increases with FK-506 treatment vs. control. Rats 4/- FK-506 express equal offered amounts. (B) WT GST-Homer 3 pulldown of mGluR1 multimer increases with FK-506 treatment vs. control.

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Met Gly Glu Gln Pro Ile Phe Ser Thr Arg Ala His Val Phe Gln Ile Asp Pro Asn Thr Lys Lys Asn Trp Val Pro Thr Ser Lys His Ala Val Thr Val Ser Tyr Phe Tyr Asp Ser Thr Arg Asn Val Tyr Arg Ile Ile Ser Leu Asp Gly Ser Lys Ala Ile Ile Asn Ser Thr Ile Thr Pro Asn Met Thr Phe Thr Lys Thr Ser Gln Lys Phe Gly Gln Trp Ala Asp Ser Arg Ala Asn Thr Val Tyr Gly Leu Gly Phe Ser Ser Glu His His Leu Ser Lys Phe Ala Glu Lys Phe Gln Glu Phe Lys Glu Ala Ala Arg Leu Ala Lys Glu Lys Ser Gln Glu Lys Met Glu Leu Thr Ser Thr Pro Ser Gln Glu Ser Ala Gly Gly Asp Leu Gln Ser Pro Leu Thr Pro Glu Ser Ile Asn Gly Thr Asp Asp Glu Arg Thr Pro Asp Val Thr Gln Asn Ser Glu Pro Arg Ala Glu Pro Ala Gln Asn Ala Leu Pro Phe Ser His Arg Tyr Thr Phe Asn Ser Ala Ile Met Ile Lys

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